

References

- Abell, R., D. M. Olson, E. Dinerstein, P. T. Hurley, W. Eichbaum, S. Walters, W. Wettenge, T. Allnut, and C. J. Loucks. 1998. A conservation assessment of the freshwater ecoregions of North America. World Wildlife Fund, Final Report Submitted to the U. S. Environmental Protection Agency. World Wildlife Fund. Washington, D. C
- Adamus, PR., E.J. Clairain, Jr., R.D. Smith, and R.E. Young. 1987. Wetland Evaluation Technique (WET); Volume II:Methodology, Operational Draft Technical Report Y-87--, U.S. Army Engineer Waterways Experiment Station, Vicksburg,Mississippi.
- Apogee Research, Inc. 1996. Monetary measurement of environmental goods and services: Framework and summary of techniques for Corps planners. IWR Report 96-R-24. November 1996.
- Angermeier, P. L. and J. R. Karr. 1994. Biological integrity verses biological diversity as policy directives. Bioscience 44:690-697
- Barbier, E. B., G. Brown, S. Dalmazzone, C. Folke, M. Gadgil, N. Hanley, C. S. Holling, W. H. Lesser, K.-G. Maler, P. Mason, T. Panayotou, C. Perrings, R. K. Turner, and M. Wells. 1995. Pages 823-914. In V. H. Heywood. Executive Editor. Global biodiversity assessment. Cambridge University Press, Cambridge, Great Britain
- Barkmann, J. and W. Windhorst. 2000. Hedging our bets: The utility of ecological integrity. Pg 497-518 In S. E. Jorgensen and F. Muller (Editors) Handbook of ecosystem theories and management. Lewis Publishers, Boca Raton. FL.
- Bartell, S.M. Lefebvre, G. Campbell, K.R. 1999. An ecosystem model for assessing ecological risks in Quebec rivers, lakes, and reservoirs. Ecological modelling. 124 n 1 43
- Bartoldus, C. C. 1997. A comprehensive review of wetland assessment procedures: A guide for wetland practitioners. Environmental Concern Inc., St. Michaels, MD.
- Bergstrom, J. B. and R. Brazee. 1991. Benefit estimation. Pages 18-22 In R. E. Heimlick (Editor). A national policy of “no net loss” of wetlands: What do agricultural economists have to contribute? Staff Report No. AGES 9149, US Dept. Agr. Econ Res. Serv.
- Bockstael, N.E., A.M. Freeman, R.J. Kopp, P.R. Portney and V.K. Smith. 1998. On valuing nature. Unpublished paper.
- Bockstael, N.E., K.E. McConnell and I. Strand. 1991. Chapter VIII, Methods for valuing recreation. In: Measuring the demand for environmental quality. (Braden and Kolstad, Eds). North-Holland Press.
- Bovee, K. D. 1982. A guide to stream habitat analysis using the instream flow incremental methodology. Instreamflow Information Paper 12. U. S. Fish and Wildlife Services. FWS/OBS-82/26. 248p.

- Bovee, K.D. 1986. Development and evaluation of habitat suitability criteria for use in instream flow incremental methodology. U.S. Fish Wildlife Serv. Biol. Rep. 86(7). 235 pp.
- Brinson, M. M. 1993. A hydrogeomorphic classification for wetlands. Wetlands Research Program Technical Report WRP-DE-4. US Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS.
- Bromley, D.W. 1997. Choices, prices, and collective action in U.S. water policy. Water Resources Update: How valuable is valuation? Issue No. 109 (Autumn).
- Brooks, Robert P. 1997. Improving habitat suitability index models. Wildlife society bulletin 25 (1): 163
- Burton, T. M., D. G. Uzarski, J. P. Gathman, J. A. Genet, B. E. Keas, and C. A. Stricker. 1999. Development of a preliminary invertebrate index of biotic integrity for Lake Huron coastal wetlands. Wetlands 19 (4): 869-882.
- Costanza, R. 1992. Toward an operational definition of ecosystem health. Pages 239-256 In Costanza, R., B., G. Norton, and B. D. Haskell (Editors) 1992. Ecosystem Health. Island Press, Washington, D. C.
- Costanza , R., R. D' Arge, R. de Groot, S. Farber, M. Grasso, B. Hannon, K.Limburg, S.Haeem, R. V. O'Neill, J. Paruelo, R. G. Raskin, P. Sutton and M. van den Belt. 1997. The value of the world's ecosystem services and natural capital. Nature 387: 253-259.
- Coyne, M. S., and J. D. Christensen. 1997. Habitat suitability index modeling: Species habitat suitability index values technical guidelines. NOAA/NOS/ORCA Biogeographic Characterization Branch, Strategic Environmental Assessments Division, Silver Spring, MD.
- Daily, G. C. (Editor) 1997. Nature's Services. Societal Dependence on Natural Ecosystems. Island Press. Washington, D. C
- Daily, G. C., S. Alexander, P. R. Erlich and eight others. 1997. Ecosystem services: Benefits supplied to human societies by natural ecosystems. Issues In Ecology, Number 2. Ecological Society of America, Washington, DC
- DeAngelis, D. L., Bartell, S. M. Brenkert, A. L. 1989. Effects of nutrient recycling and food chain length on resilience. American Naturalist 134:778-805.
- DeAngelis, D. L., L, J. Gross, M.A. Huston, W.F. Wolff, D. M. Fleming, E. J. Comiskey, and S. M. Sylvester. 1998. Landscape Modeling for Everglades Ecosystem Restoration. Ecosystems 1:64-75.
- Donigian, Jr., A. S., W. C. Huber, and T. O. Barnwell, Jr. 1996. Models of Nonpoint Source Water Quality for Watershed Assessment and Management. Watershed '96 Proceedings. U. S. Environmental Protection Agency, Washington, D. C.
- Federal Register. Part III Department of Agriculture, Forest Service. National Forest system land resource management planning; final rule. 36 CFR Parts 217 and 219. Vol. 65 (218) 67514-67581

Fish and Wildlife Service (FWS) 1980. Habitat Evaluation Procedures (HEP). ESM 102. Division of Ecological Sciences, U.S. Fish and Wildlife Service, Washington, D.C.

Fish and Wildlife Service (FWS) 1981. Standards for the Development of Habitat Suitability Index Models. ESM103. Division of Ecological Sciences, U.S. Fish and Wildlife Service, Washington, D.C.

Freeman, A.M. 1993. The measurement of environmental and resource values: Theory and methods. Resources for the Future. Washington, DC.

Friend, A. D. Stevens, A. K. Cannell, M. G. R 1997. A process-based, terrestrial biosphere model of ecosystem dynamics (Hybrid v3.0).. 95: 249-287.

Glennon M. J. and W. F. Porter 1999. Using satellite imagery to assess landscape-scale habitat for wild turkeys. Wildlife Society Bulletin 27 (3): 646-653.

Golly, F. B. 2000. Ecosystem structure. Pages 21-32. In S. E. Jorgensen and F. Muller (Editors) Handbook of ecosystem theories and management. Lewis Publishers, Boca Raton. FL.

Goulder, L. H. and D. Kennedy. 1997. Valuing ecosystem services: Philosophical bases and empirical methods. Pages 23-48 *In* G. C. Daily (Ed). Nature's services: Societal dependence on natural ecosystems. Island Press, Washington D. C.

Gunderson, L. H., C. S. Holling, and G. D. Peterson. 2000. Resilience in ecological systems. Pages 385-394 *In* S. E. Jorgensen and F. Muller (Editors). Handbook of ecosystem theories and management. Lewis Publishers, Boca Raton. FL

Hannon, B. 1973. The structure of ecosystems. Journal of theoretical biology 41:535-546.

Haywood, V. H. (Executive Editor) 1995. Global biodiversity assessment. United Nations Environment Programme. Cambridge University Press, New York, NY

Heimlick, R. E., K. D. Wiebe, R. Classen, D. Gadsby, and R. M. House . 1998. Wetlands and agriculture: private interest and public benefits. Agricultural Economic Report Number 765, Economic Research Service, USDA, Washington, DC

Holling, C. S. 1973. Resilience and stability of ecological systems. Annual Review of Ecology and Systematics 4:1-23.

Holling, C. S. (Editor) 1978. Adaptive Environmental Management and Assessment. John Wiley & Sons New York

Holling, C. S. 1992. Cross-scale morphology, geometry and dynamics of ecosystems. Ecological Monographs 62:447-502.

Holling, C. S. 1996. Engineering resilience versus ecological resilience. 31-44. in Schulze, P. C. (Editor) Engineering within ecological constraints. National Academy of Engineering, National Academy Press. Washington D. C. 1996.

Holling, C. S., L. H. Gunderson, and C. J. Walters. 1994. The structure and dynamics of the Everglades System: Guidelines for Ecosystem Restoration. Pages 741-751 in S. M. Davis and J.

C. Odgen (editors) Everglades: The ecosystem and its restoration. St. Lucie Press, Delray Beach, FL.

Just, R.A., D.L. Hueth and A. Schmitz. 1982. Applied welfare economics and public policy. Prentice-Hall, Inc. Englewood Cliffs, NJ.

Karr, J.R. 1981. Assessment of biotic integrity using fish communities. *Fisheries* 66:21-27.

Karr, J.R. 1991. Biological integrity: A long-neglected aspect of water resource management. *Ecological Applications* 1:66-84.

Karr, J. R. 1992. Ecological integrity: Protecting Earth's life support systems. Pages 223-238 *In* Costanza, R., B. B. Norton, and B. D. Haskell (Eds.) Ecosystem health—new goals for environmental management. Island Press, Washington, D. C.

Karr, J. R. 1993. Measuring biological integrity: lessons from streams. Pages 83-115 *In* S. Woodley, J. Kay and G. Francis (Editors) Ecological integrity and the management of ecosystems. St. Lucie Press, St. Lucie, Fl.

Karr, J. R. and E. W. Chu. 2000. Restoring life in running waters: Better biological monitoring.. Island Press, Washington,

Karr, J.R., K.D. Fausch, P.L. Angermeier, P.R. Yant, and I.J. Schlosser. 1986. Assessing biological integrity in running waters: A method and its rationale. Special publication 5. Illinois Natural History Survey.

King, A. W. 1993. Considerations of scale and hierarchy. Pages 19-46 *In* S. Woodley, J. Kay and G. Francis (Editors) Ecological integrity and the management of ecosystems. St. Lucie Press, St. Lucie, Fl.

King, D. M., L. A. Wainger, C. C. Bartoldus, and J. S. Wakely. 2000. Expanding wetland assessment procedures: linking indices of wetland function with services and values. Final Report ERDC/EL TR-00-17 Engineer Research and Development Center, U.S. Army Corps of Engineers, Washington, DC 20314.

Likens, G. E., F. H. Bormann, J.S. Eaton, and N. M. Johnson. 1977. The biogeochemistry of a forested ecosystem. New York, Springer-Verlag.

Lindeman, R. L. 1942. The trophic-dynamic aspect of ecology. *Ecology* 23:399-418.

Link, J. S. 2002. What does ecosystem-based fisheries management mean? *Fisheries* 27: 18-21.

Loomis, J. B. 1997. Use of non-market valuation methods in water resources management assessments. *Water Resources Update* 199 (Autumn).

Louisiana Coastal Wetlands Conservation and Restoration Task Force 1991. Priority project list report Appendix F: Wetland value assessment methodology. *Coastal Wetlands Planning, Protection, and Restoration Act*.

Lubchenco, J., A. M. Olson, L. B. Brubaker, S. R. Carpenter, M. M. Holland, S. P. Hubbell, S. A. Levin, J. A. MacMahon, P. A. Matson, J. M. Melillo, H. A. Mooney, C. H. Peterson, H. R.

- Pulliam, L A. Real, P. J Regal and P. G. Risser. 1991. The sustainable biosphere initiative: an ecological research agenda. *Ecology* 72: 371-412.
- Maass, Arthur. 1966. Benefit-cost analysis: It's relevance to public investment decisions. *Quarterly Journal of Economics*. (May issue).
- Mac, M. J., P. A. Opler, C. E. Puckett Haeker, and P. D. Doran. (Editors) 1998. Status and Trends of the Nation's Biological Resources. 2 Volumes. U. S. Department of the Interior, U. S. Geological Survey, Reston, Va.
- McGarigal, K. and B. J. Marks. 1995. FRAGSTATS: spatial pattern analysis program for quantifying landscape structure. U. S. Forest Service. General Technical Report PNW-GTR-351.
- McIntire, C. D. and J. A. Colby 1978. A hierarchical model of lotic ecosystems. *Ecological Monographs* 48:167-190.
- McLendon et al. 1998. A successional dynamics simulation model as a factor for determining military training land carrying capacity. USACERL Technical Report 98/90.
- McNaughton, S. J. 1977. Diversity and stability in ecological communities: A comment on the role of empiricism in ecology. *American Naturalist* 111:515-525.
- Minns, C. K, V. W. Cairns, R. G. Randall, and J. E. Moore. 1994. An index of biotic integrity (IBI) for fish assemblages in the littoral zone of Great Lakes' Areas of Concern. *Canadian Journal of Fisheries and Aquatic Sciences* 51:1804-1822.
- Mora, C., P. M. Chittaro, P. F. Sale, J. P. Kritzer, and S. A. Ludsin, 2003. Patterns and processes in reef fish diversity. *Nature* 421:933-936
- Moser. D.A. 1990. Future direction: Sharpening the tools of resource economics. In: Ecosystems and their Human Values. Forty-eighth meeting of the Environmental Advisory Board, US Army Engineer Waterways Experiment Station, Vicksburg, MS. May 16-18.
- Muller, F. and W. Windhorst. 2000. Ecosystems as functional entities. Pages 33-50 In S. E. Jorgensen and F. Muller (Editors) *Handbook of ecosystem theories and management*. Lewis Publishers, Boca Raton. FL.
- Naeem, S. 1998. Species redundancy and ecosystem reliability. *Conservation Biology* 12:39-45.
- Naeem, S and S. Li. 1997. Biodiversity enhances ecosystem reliability. *Nature* 390:507-509
- Naeem, S., L. J. Thompson, S. P. Lawler, J. H. Lawton, and R. M. Woodfin. 1994. Declining biodiversity can alter the performance of ecosystems. *Nature* 368: 734-737.
- Nestler, J. M. (1993). "Instream flow incremental methodology: A synopsis with recommendations for use and suggestions for future research," Technical Report EL-93-3, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS. NTIS No. AD A262 157.

- Nestler, J. M., Schneider, L. T., Latka, D. C., and Johnson, P. N. (1995). "Physical habitat analysis using the riverine community habitat assessment and restoration concept (RCHARC): Missouri River case history," Technical Report EL-95-18, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS. NTIS No. AD A295 728.
- Nordhaus, W. and E.C. Kokkelenberg (Eds). 1999. *Nature's numbers: Expanding the national economic accounts to include the environment*. National Academy Press. Washington, DC.
- Norton, B. G. and Ulanowics, R. E. 1992. Scale and biodiversity policy: a hierarchical approach. *Ambio* 21:244-249.
- Noss, R. F., E. T. Laroe III, and J. M. Scott. 1995. Endangered ecosystems of the United States: A preliminary assessment of loss and degradation. Biological Report 28, National Biological Service, U. S. Department of the Interior, Washington, D. C. 20240.
- NRC (National Research Council) 1986. Ecological Knowledge and Environmental Problem-Solving: Concepts and Case Studies. National Research Council, National Academy Press, Washington, D.C.
- NRC (National Research Council) 1999a. New directions in water resources planning for the U. S. Army Corps of Engineers. National Academy Press. Washington, D. C.
- NRC (National Research Council) 1999b. Perspectives in biodiversity: Valuing its role in an ever changing world. National Academy Press, Washington, DC.
- NRC (National Research Council) 1999c. Our common journey: A transition toward sustainability. National Academy Press, Washington, DC.
- NRC (National Research Council) 2000. Ecological indicators for the Nation. National Academy Press, Washington, D. C.
- Odum, E. P. 1962. Relationships between structure and function in the ecosystem. *Japanese Journal of Ecology* 12: 108-118.
- Odum, E. P. 1971. Fundamentals of Ecology. Third Edition. W. B. Saunders Company. Philadelphia , Pa.
- Odum, E. 1993. Ecology and our endangered life-support systems. Second Edition. Sinauer Associates, Inc. Sunderland, MA
- Odum, H. T. 1957. Trophic structure and productivity of Silver Springs, Florida. *Ecological Monographs* 27:55-112.
- Odum, H. T. 1971. Environment, power, and society. Wiley-Interscience New York, NY
- Odum, H.T. 1984. Ecological and general systems ecology. An introduction to systems ecology (Revised Edition). University of Colorado, Niwot, CO
- Ollinger, S.V. Aber, J.D. Federer, C.A. 1998 Estimating regional forest productivity and water yield using an ecosystem model linked to a GIS. *Landscape ecology*. 13(5): 323

- O'Neill, R. V., D. L. DeAngelis, J. B. Waide and T. F. H. Allen. 1986. A hierarchical concept of ecosystems. Princeton University Press, Princeton, NJ.
- Paine, R. T. 1966. Food web complexity and species diversity. *American Naturalist* 100:65-75.
- Penhollow, M. E. and D. F. Stauffer. 2000. Large scale habitat relationships of neotropical migratory birds in Virginia. *Journal of Wildlife Management* 64 (2): 362-373.
- Pimm, S. L. 1982. Food Webs. London: Chapman and Hall
- Pimm, S. L. 1991. The balance of nature? University of Chicago Press Chicago
- Plafkin, J. L., M. T. Barbour, K. D. Porter, S. K. Gross, and R. M. Hughs. 1989. Rapid bioassessment protocols for use in streams and rivers: benthic macroinvertebrates and fish. United States Environmental Protection Agency, Washington, D. C., USA. EPA/444/4-89-001.
- Poiani, K. A. and W. C. Johnson. 1993. A spatial simulation model of hydrology and vegetation dynamics in semi-permanent prairie wetlands. *Ecological Applications* 3(2) 279-293.
- Power, M. E. and L. S. Mills. 1995. The Keystone cops meet in Hilo. *Trends in Ecology and Evolution* 10:182-184.
- Redford, K. H. and B. D. Richter. 1999. Conservation of biodiversity in a world of use. *Conservation Biology* 3:1246-1256.
- Regier, H. A. 1993. The notion of natural and cultural integrity. Pages 3-18 In S. Woodley, J. Kay and G. Francis (Editors) *Ecological integrity and the management of ecosystems*. St. Lucie Press, St. Lucie, Fl.
- Roseberry, J. L. and S. D. Sudkamp 1998. Assessing the suitability of landscapes for northern bobwhite. *Journal of Wildlife Management* 62(3): 895-902.
- Rosenzweig, M. L. 1995. Species diversity in space and time. Cambridge University Press, Cambridge, England
- Rubec, P. J., J. C. W. Bexley, H. Norris, M. S. Coyne, M. E. Monaco, S. G. Smith and J. S. Ault. 1999. Suitability modeling to delineate habitat essential to sustainable fisheries. *American Fisheries Society Symposium* 22:108-33.
- Rubec, P. J., M. S. Coyne, R. H. McMichael, Jr., and M. E. Monaco. 1998. Spatial methods being developed to determine essential fish habitat. *Fisheries* 23:21-5.
- Sagoff, M. 1988. The economy of the Earth. Cambridge University Press, London.
- Scavia, D, J. A. Bloomfield, J. S. Fisher, J. Nagy and R. A. Park 1974. Documentation of CLEAN X: a generalized model for simulating the open water ecosystems of lakes. *Simulation* 23 (2) 51-56.
- Schlapfer, F. and B. Schmid 1991. Ecosystem effects of biodiversity: A classification of hypotheses and exploration of empirical results. *Ecological Applications* 9: 893-912.

- Schkade, D.A. 1994. Issues in the valuation of environmental resources: A perspective from the psychology of decision making. Water Resources Update. Environmental Evaluation and Decision Making. Issue No. 96 (Summer).
- Schneider, E. D. and J. J. Kay. 1994. Complexity and thermodynamics: towards a new ecology. *Futures* 24: 626-647.
- Schroeder, R. L. 1996a. Wildlife community habitat evaluation: a model for deciduous palustrine forested wetlands in Maryland. Technical Report WRP-DE-14. U. S. Army Engineers, Waterways Experiment Station, Vicksburg, MS. 33pp.
- Schroeder, R.L. 1996b. Wildlife community habitat evaluation using a modified species-area relationship. Technical Report WRP-DE-12. U.S. Army Engineers Waterways Experiment Station, Vicksburg, MS. 23 pp.
- Schroeder, R.L. and S.L. Haire. 1993. Guidelines for the development of community level habitat evaluation models. U.S. Fish and Wildlife Service, Biological Report 8.
- Schulze, E. D. and H. A. Mooney. 1994. Biodiversity and Ecosystem Function. Springer, Berlin
- Schumaker, N. H. 1998. A user's guide to the PATCH model. EPA/600R-98/135. Western Ecology Division, National Health and Environmental Effects Research Laboratory, US Environmental Protection Agency.
- Scott, J. M., F. Davis, B. Csutí, R. Noss, B. Butterfield, C. Groves, H. Anderson, S. Caicco, F. D'Erchia, T. C. Edwards Jr., J. Ulliman, and R. Wright. 1993. Gap Analysis: a geographic approach to protection of biological diversity. *Wildlife Monograph* 123, 1-41.
- Shabman, L.A. 1993. Environmental activities in Corps of Engineers water resource programs: Charting a new direction. US Army Corps of Engineers, Water Resources Support Center, Institute for Water Resources. IWR Report 93-PS-1.
- Shabman, L.A. 1997. Environmental restoration in the Army Corps of Engineers: Planning and valuation challenges. Unpublished paper.
- Shabman, L.A. and K. Stephenson. 2000. Environmental valuation and its economic critics. *Journal of Water Resources Planning and Management*. November/December.
- Shabman, L. 2002. Personal communication with Dr. Leonard Shabman, Resident Scholar at Resources for the Future. Dr. Shabman recounted his discussions with officials from various environmental advocacy groups in which they indicated their view that the restoration of natural hydrologic and geomorphic processes represents an independent value to be advanced by ecosystem restoration efforts.
- Shigeo, Y. and M. Loreau 1999. Biodiversity and ecosystem productivity in a fluctuating environment: the insurance hypothesis. *Proceedings of the National Academy of Science* 96: 1463-1468.
- Short, H. L. 1984. Habitat suitability index models: The Arizona guild and layers of habitat models. U. S. Fish Wildl. Serv. FWS/OBS-82/10.70.

Simon, T.P. (editor). 1999. Assessing the sustainability and biological integrity of water resources using fish communities. CRC Press, Boca Raton, Florida.

Smith, R. D., A. Ammann, C. Bartoldus, and M. M. Brinson. 1995. An approach for assessing wetland functions using hydrogeomorphic classification, reference wetlands, and functional indices. Wetlands Research Program Technical Report WRP-DE-9. US Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS.

Smith, S. H. 1972. Factors of ecological succession in oligotrophic fish communities of the Laurentian Great Lakes. *Journal of the Fisheries Board of Canada* 29: 717-730.

Stein, B. A., L. S. Kutner, and J. S. Adams (Editors). 2000. Precious Heritage. The status of biodiversity in the United States. The Nature Conservancy and Association For Biodiversity Information. Oxford University Press, New York.

The President's Council On Sustainable Development. 1996. Sustainable America: A new consensus for prosperity, opportunity, and a healthy environment for the future. U. S. Government Printing Office, Superintendent of Documents, Washington, DC

Tilman, D. and J. A. Downing 1994. Biodiversity and stability in grasslands. *Nature* 367:363-365.

Tilman, D. 1997. Biodiversity and ecosystem functioning. Pages 93-112 In Daily, G. C. (Editor). *Nature's Services. Societal Dependence on Natural Ecosystems*. Island Press. Washington, D. C.

U.S. Army Corps of Engineers. 2000. Planning guidance. (ER 1105-2-100). April 22, 2000.

Vannote, R. L., G. M. Minshall, K. W. Cummins, J. R. Sidel, and C. E. Cushing. 1980. The river continuum concept. *Canadian Journal of Fishery and Aquatic Sciences* 37:130-137

Walker, B. H. 1992. Biodiversity and ecological redundancy. *Conservation Biology* 6:18-23.

Walker, B. 1995. Conserving biological diversity through ecosystem resilience. *Conservation Biology* 9:747-752.

Walters, C. J. 1986. Adaptive management of renewable resources. McGraw-Hill, New York.

Walters, C. J. and C. S. Holling 1990. Large scale management experiments and learning by doing. *Ecology* 71 (6) 860?-68

Ward J. V. and J. A. Stanford 1982. Thermal responses in the evolutionary ecology of aquatic insects. *Annual Review of Entomology* 27: 97-117.

Water Resources Council (WRC). 1983. Economic and environmental principles and guidelines for water and related resources implementation studies.

Weiber, E. and P. Keddy. 1999. Ecological assembly rules: Perspectives, advances, retreats. Cambridge UK: Cambridge University Press.

Williams, J. D., M. L. Warren, Jr., K. S. Cummings, J. L. Harris, and R. J. Neves. 1993. Conservation status of freshwater mussels of the United States and Canada. *Fisheries* 18 (9): 6-22.

Wilson, E. O. 1992. The diversity of life. The Belknap Press of Harvard University Press, Cambridge, MA.

Wilson, E. O. and F.M. Peters (Editors) 1988. Biodiversity. National Academy Press, Washington, D. C. 521 pp.